

6G-B3A is a high perviance, beam pentode designed for use as a horizontal deflection output tube in television receivers.

BASE B5-187 Octal

TOP CAP C1-2 Skirted Miniature

MOUNTING POSITION—Any

HEATER

Voltage .....6.3 (V)

Current .....1.2 (A)

MAXIMUM RATINGS (Design Center Values)§		TYPICAL OPERATION	
Plate Voltage	550 (V)	Plate Voltage	40 100 (V)
Peak Pulse Plate Voltage	$\begin{cases} +6,600\Delta \text{ (V)} \\ -1,500 \text{ (V)} \end{cases}$	Grid No. 2 Voltage	100 100 (V)
Grid No. 2 Voltage	200 (V)	Grid No. 1 Voltage	0 -7.7 (V)
Peak Negative Grid No. 1 Voltage	1,000 (V)	Plate Current	240 100 (mA)
Plate Dissipation	13 (W)	Grid No. 2 Current	19 7 (mA)
Grid No. 2 Dissipation	5 (W)	Transconductance	.. 14,000 ( $\mu\text{S}$ )
Total Cathode Current	150 (mA)	Plate Resistance	(Approx.) -- 5.3 (k $\Omega$ )
Peak Heater—Cathode Voltage			
Heater negative with respect to cathode	200 (V)		
Heater positive with respect to cathode	200 $\Delta$ (V)		
Grid No. 1 Circuit Resistance	2.2(M $\Omega$ )		

§ For operation in a 525-line, 30-frame system. The duration of the voltage pulse must not exceed 15 per cent of one horizontal scanning cycle.  
 $\Delta$  Under no circumstances should this absolute value be exceeded.  
 $\Delta$  The D.C. component must not exceed 100 volts.

AVERAGE PLATE CHARACTERISTICS

